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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/541,776	07/08/2005	Toshihiko Ohashi	0216-0516PUS1	1474		
2252	7590	12/24/2008				
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				EXAMINER CHANG, VICTOR S		
		ART UNIT 1794	PAPER NUMBER ELECTRONIC			
NOTIFICATION DATE		DELIVERY MODE				
12/24/2008		ELECTRONIC				

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/541,776	<b>Applicant(s)</b> OHASHI ET AL.
	<b>Examiner</b> VICTOR S. CHANG	<b>Art Unit</b> 1794

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 25 August 2008 and 24 October 2008.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1,3 and 5-15 is/are pending in the application.
- 4a) Of the above claim(s) 1,3 and 5-15 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO/SB/06)  
 Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date \_\_\_\_\_
- 5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_

**DETAILED ACTION**

***Introduction***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's amendments and remarks filed on 10/24/2008 and 8/25/2008 have been entered. Claims 1, 14 and 15 have been amended.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. In response to the amendments, for the reasons set forth below, the grounds of rejection have been withdrawn, and to be reinstated, if appropriated.

***Election/Restrictions***

4. Applicants are reminded that in a reply filed 9/11/2006, species presented in claims 1-5 and 14-15 are elected [see page 7]. Further, the election requirement mailed 8/9/2006 presented two categories of species as follows:

**A. Laminate Structure**

- a. Substrate/silica layer, as set forth in claims 1-5 and 14;
- b. Substrate/hard coat layer/silica layer, as set forth in claim 6.

B. Coating Composition

- a. Comprising a dispersion of moniliform silica strings, as set forth in claims 7-9;
- b. Comprising a dispersion of moniliform silica strings and an alkaline earth metal salt, as set forth in claim 10 and 11;
- c. Comprising a dispersion of moniliform silica strings and an acid, as set forth in claim 12.

It was interpreted that Species A(a) and B(a) in Categories A and B are respectively elected, because claims 1-5, 14 and 15 corresponds to them.

However, newly amended independent claims 1, 14 and 15 relate to Species A(b) and B(b), and renders the amended claims directed to non-elected species. As such, all the claims are withdrawn.

Alternatively, newly amended claims 1, 14 and 15 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:  
Species presented in amended claims 1, 14 and 15 are clearly distinct and independent in structure and composition from the previously elected species in claims 1-5, 14 and 15, as set forth above. Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, Claims 1, 3, 5, 14 and 15 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

*Response to Argument*

5. Applicants argue at Remarks filed 10/24/2005 pages 2-3:

Art Unit: 1794

"According to MPEP § 818.02(a), the claims originally presented and acted upon by the Office on their merits determine the invention elected by an applicant in the application, and in any request for continued examination (RCE) which has been filed for the application. Subsequently presented claims to an invention other than that acted upon should be treated as provided in MPEP § 821.03 and 37 CFR 1.145 (cited for the Examiner's consideration).

...

Applicant respectfully submits that the "subsequent presentation of claims for different invention" guidelines are inapplicable in the present instance because Applicant has not presented claims that are distinct from and independent of the invention previously claimed."

However, RCE nonetheless are of the same application. While the examiner is required to reconsider and rejoin withdrawn claims which encompass allowable subject matter, withdrawn claims directed to mutually exclusive distinct and independent species must be filed under separate divisional application.

Regarding applicants' arguments in the after Final reply filed 8/25/2008, since they are directed to non-elected Species as set forth above, they are misplaced.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VICTOR S. CHANG whose telephone number is (571)272-1474. The examiner can normally be reached on 7:00 am - 5:00 pm, Tuesday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on 571-272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Victor S Chang/  
Primary Examiner, Art Unit 1794